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CUSTOMER SERVICE CENTER

#3

Docket No.: 576-008

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT OPERATION

In re Application of:

Massimo Porro

Group Art Unit: --

Serial No.: 09/124,280

Examiner: --

Filed: July 29, 1998

For: VACCINES FOR PREVENTION OF  
GRAM-NEGATIVE INFECTIONS AND  
ENDOTOXIN-RELATED DISEASES

New York, NY 10036  
September 14, 1998

Assistant Commissioner for Patents  
Washington, DC 20231

STATEMENT UNDER 37 CFR § 1.821(f)

SIR:

It is hereby certified that the content and the  
computer readable copies are the same as required by 37 CFR  
§1.821(f).

Respectfully submitted,



James V. Costigan  
Registration No. 25,669

HEDMAN, GIBSON, COSTIGAN & HOARE, P.C.  
1185 Avenue of the Americas  
New York, NY 10036  
(212) 302-8989

I hereby certify that this correspondence is  
being deposited with the United States Postal  
Service as first class mail in an envelope  
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Assistant Commissioner for Patents  
Washington, D.C. 20231

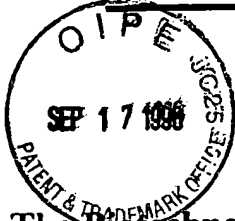
on September 14, 1998



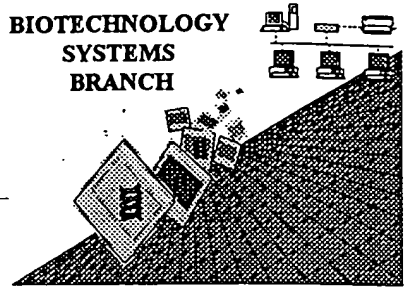
James V. Costigan, Registration No. 25,669

# **RAW SEQUENCE LISTING**

## **ERROR REPORT**



BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number:

09/124,280

Art Unit / Team No. :

0186

Date Processed by STIC:

8/4/98

**THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.**

**PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

**THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.**

**IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:**

**ARTI SHAH 703-308-4212**

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/124,280

DATE: 08/04/98  
TIME: 12:55:42



INPUT SET: S27842.raw

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

---SEQUENCE LISTING

Does Not Comply  
Corrected Diskette Needed

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: Porro, Massimo  
6  
7 (ii) TITLE OF INVENTION: VACCINES FOR PREVENTION OF GRAM-  
8 NEGATIVE BACTERIAL INFECTIONS AND ENDOTOXIN RELATED DISEASES  
9  
10 (iii) NUMBER OF SEQUENCES: 45  
11  
12 (iv) CORRESPONDENCE ADDRESS:  
13  
14 (A) ADDRESSEE: Hedman, Gibson & Costigan  
15 (B) STREET: 1185 Avenue of the Americas  
16 (C) CITY: New York  
17 (D) STATE: New York  
18 (E) COUNTRY: USA  
19 (F) ZIP: 10036  
20  
21 (v) COMPUTER READABLE FORM:  
22  
23 (A) MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage  
24 (B) COMPUTER: IBM PS/2  
25 (C) OPERATING SYSTEM: DOS  
26 (D) SOFTWARE: Word Perfect 5.1  
27  
28 (vi) CURRENT APPLICATION DATA:  
29  
30 (A) APPLICATION NUMBER:  
31 (B) FILING DATE: July 29, 1998  
32 (C) CLASSIFICATION:  
33  
34 (vii) PRIOR APPLICATION DATA:  
35  
36 (A) APPLICATION NUMBER:  
37 (B) FILING DATE:  
38  
39 (viii) ATTORNEY/AGENT INFORMATION:  
40  
41 (A) NAME: Costigan, James V.  
42 (B) REGISTRATION NUMBER: 25,669  
43 (C) REFERENCE/DOCKET NUMBER: 576-008  
44  
45 (ix) TELECOMMUNICATION INFORMATION:

INPUT SET: S27842.raw

46  
47 (A) TELEPHONE: (212) 302-8989  
48 (B) TELEFAX: (212) 302-8998  
49

## ERRORED SEQUENCES FOLLOW:

230 (2) INFORMATION FOR SEQ ID NO:8:

231

232 (i) SEQUENCE CHARACTERISTICS:

233

--&gt; 234 (A) LENGTH: 7 amino acids 10 shown

235 (B) TYPE: amino acid

236 → (D) (C) TOPOLOGY: circular

237

238 (ii) SEQUENCE DESCRIPTION: SEQ ID NO:8:

239

240 Lys Phe Leu Lys Phe Leu Lys Phe Leu Lys

241 1 5 10

242

243 (2) INFORMATION FOR SEQ ID NO:9:

244

245 (i) SEQUENCE CHARACTERISTICS:

246

--&gt; 247 (A) LENGTH: 6 amino acids 9 shown

248 (B) TYPE: amino acid

249 (D) (C) TOPOLOGY: circular

250

251 (ii) SEQUENCE DESCRIPTION: SEQ ID NO:9:

252

253 Arg Tyr Val Arg Tyr Val Arg Tyr Val

254 1 5

255

256 (2) INFORMATION FOR SEQ ID NO:10:

257

258 (i) SEQUENCE CHARACTERISTICS:

259

--&gt; 260 (A) LENGTH: 7 amino acids 10 shown

261 (B) TYPE: amino acid

262 → (D) (C) TOPOLOGY: circular

263

264 (ii) SEQUENCE DESCRIPTION: SEQ ID NO:10:

265

266 Lys Phe Phe Lys Phe Phe Lys Phe Phe Lys

267 1 5 10

268

269 (2) INFORMATION FOR SEQ ID NO:11:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/124,280DATE: 08/04/98  
TIME: 12:55:44

INPUT SET: S27842.raw

270  
271 (i) SEQUENCE CHARACTERISTICS:  
272  
--> 273 (A) LENGTH: 11 amino acids 9 shown  
274 (B) TYPE: amino acid  
275 (D) (e) TOPOLOGY: circular  
276  
277 (ii) SEQUENCE DESCRIPTION: SEQ ID NO:11:  
278  
279 Lys Leu Leu Lys Leu Leu Lys Leu Leu  
280 1 + 5 5  
281 fix numbering - DO NOT use TAB codes between amino acid  
res. Use space characters.

---

295 (2) INFORMATION FOR SEQ ID NO:13:  
296  
297 (i) SEQUENCE CHARACTERISTICS:  
298  
--> 299 (A) LENGTH: 17 amino acids 11 shown  
300 (B) TYPE: amino acid  
301 (D) (e) TOPOLOGY: circular  
302  
303 (ii) SEQUENCE DESCRIPTION: SEQ ID NO:13:  
304  
305 Cys Lys Cys Lys Cys Lys Cys Lys Cys Lys Cys  
306 1 5 10  
307

---

308 (2) INFORMATION FOR SEQ ID NO:14:  
309  
310 (i) SEQUENCE CHARACTERISTICS:  
311  
--> 312 (A) LENGTH: 16 amino acids 6 shown  
313 (B) TYPE: amino acid  
314 (D) (e) TOPOLOGY: circular  
315  
316 (ii) SEQUENCE DESCRIPTION: SEQ ID NO:14:  
317  
318 Cys Lys Phe Lys Lys Cys  
319 1 5  
320

---

385 (2) INFORMATION FOR SEQ ID NO:20:  
386  
387 (i) SEQUENCE CHARACTERISTICS:  
388  
--> 389 (A) LENGTH: 9 amino acids 12 shown  
390 (B) TYPE: amino acid  
391 (D) (e) TOPOLOGY: circular  
392  
393 (ii) SEQUENCE DESCRIPTION: SEQ ID NO:20:  
394  
395 Cys Lys Phe Leu Lys Phe Leu Lys Phe Leu Lys Cys  
396 1 5 10

SEQUENCE VERIFICATION REPORT  
PATENT APPLICATION US/09/124,280DATE: 08/04/98  
TIME: 12:55:46

INPUT SET: S27842.raw

Line	Error	Original Text
234	Entered (7) and Calc. Seq. Length (10) differ	(A) LENGTH: 7 amino acids
247	Entered (6) and Calc. Seq. Length (9) differ	(A) LENGTH: 6 amino acids
260	Entered (7) and Calc. Seq. Length (10) differ	(A) LENGTH: 7 amino acids
273	Entered (11) and Calc. Seq. Length (9) differ	(A) LENGTH: 11 amino acids
299	Entered (17) and Calc. Seq. Length (11) differ	(A) LENGTH: 17 amino acids
312	Entered (16) and Calc. Seq. Length (6) differ	(A) LENGTH: 16 amino acids
389	Entered (9) and Calc. Seq. Length (12) differ	(A) LENGTH: 9 amino acids



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARK  
Washington, D.C. 20231

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO./TITLE
--------------------	---------------------	-----------------------	---------------------------

09/124,280 07/29/98 PORRO

M 576008

0232/0821

JAMES V COSTIGAN  
HEDMAN GIBSON & COSTIGAN  
1185 AVENUE OF THE AMERICAS  
NEW YORK NY 10036-2601

NOT ASSIGNED

1643  
DATE MAILED:

08/21/98

### NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821 - 1.825 for the following reason(s):

- ☐ 1. This application fails to comply with the requirements of 37 CFR 1.821 - 1.825.
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 CFR 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.821 and/or 1.832 as indicated on the attached marked-up copy of the "Raw Sequence Listing."
- ☒ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e).
- ☐ 7. OTHER: \_\_\_\_\_

#### APPLICANT MUST PROVIDE:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing."
- ☐ An initial or substitute paper copy of the "Sequence Listing," as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d).

#### FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CONTACT:

- ☐ For Rules Interpretation, call (703) 308-1123.
- ☐ For CRF submission help, call (703) 308-4212.
- ☐ For PatentIn software help, call (703) 308-6856.

  
Customer Service Center  
Initial Patent Examination Division (703) 308-1292

PART 2 - COPY TO BE RETURNED WITH RESPONSE